```
ISIS-II PL/M-86 V2.0 COMPILATION OF MODULE PRINT
OBJECT MODULE PLACED IN PRINT.OBJ
COMPILER INVOKED BY:  :F0: PRINT.PLM DEBUG OPTIMIZE(2) DATE(FEBRUARY 2, 1982) XREF


            $title ('PRINT MODULE')
  1         print:
            do;

            /*

              modified  3/26/81  R. Silberstein
              modified  3/30/81  R. Silberstein
              modified  4/7/81   R. Silberstein
              modified  4/9/81   R. Silberstein
              modified  4/16/81  R. Silberstein
              modified  4/20/81  R. Silberstein
              modified  5/5/81   R. Silberstein
              modified  7/24/81  R. Silberstein
              modified  7/27/81  R. Silberstein
              modified  8/19/81  R. Silberstein
              modified  9/2/81   R. Silberstein
              modified  9/19/81  R. Silberstein

            */

            $include (:f1:macro.lit)
        =   $nolist
            $include (:f1:struc.lit)
        =   $nolist
            $INCLUDE (:F1:DEV.LIT)
        =   $nolist
            $include (:f1:files.ext)
        =   $nolist
            $include (:f1:subr2.ext)
        =   $nolist
            $include (:f1:global.ext)
        =   $nolist
            $include (:f1:text.ext)
        =   $nolist

 85   1     dcl
            pageno          byte,   /* current page no */
            lineno          byte,   /* current line no */
            col             byte,   /* column counter */
            field1start lit '6',    /* start of hexoutput print */
            FIELD15START LIT '19',  /* START OF ABSOLUTE ADDRESS FIELD */
            field2start lit '24';   /* start of source output print */

 86   1     printbyt: proc(ch);
 87   2       dcl ch byte;
 88   2       if not asciichar(ch) then ch='*';
 90   2       if ch <> lf then col=col+1;
 92   2       if ch = cr then col=0;
 94   2       call outprintbyte(ch);
 95   2     end printbyt;
```

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```
 96  1     advance: proc(n);       /* advance to column 'n' */
 97  2       dcl n byte;
 98  2       do while n > col;
 99  3         call printbyt(space);
100  3       end$while;
101  2     end advance;

102  1     printtext: proc(s);
103  2       dcl s address,ch based s byte;
104  2       DO WHILE CH <> 0;
105  3         CALL PRINTBYT (CH);
106  3         S = S + 1;
107  3       END;
108  2     end printtext;

109  1     printheader: proc;
110  2       COL = 0;
111  2       pageno=pageno+1;
112  2       call printtext(.initials);
113  2       call printtext(.sourcename);
114  2       call printtext(.(' ',0));
115  2       call printtext(.title);
116  2       call advance(maxcol-11);
117  2       call printtext(.pagetext);
118  2       call decout(pageno,.help(0));
119  2       call printtext(.help(1));
120  2       call printtext(.(cr,lf,cr,lf,cr,lf,0));
121  2       lineno=4;
122  2     end printheader;

        /* Public routine to perform page eject */

123  1     eject: proc public;
124  2       if simform then$do
126  3         do while (lineno:=lineno+1) <= pagesize;
127  4           call printbyt(cr);
128  4           call printbyt(lf);
129  4         end$while;
130  3       else$do
132  3         call outprintbyte(formfeed);
133  3       end$if;
134  2       lineno=0;
135  2     end eject;

136  1     printnewpage: proc public;
137  2       IF LINENO > 4 THEN$DO
139  3         call eject;
140  3         call printheader;
141  3       END$IF;
142  2     end printnewpage;

143  1     incrementline: proc;
144  2       lineno = lineno + 1;
145  2       if lineno >= pagesize - 10 then call printnewpage;
147  2     end incrementline;
```

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```
                /* Print single byte,update column counter,
                   expand tabs (each 8.th column)  */

148   1         print$single$byte: proc(ch) public;
149   2           dcl ch byte;
150   2           if ch=tab then$do
152   3             ch=8-((col-field2start) mod 8);
153   3             do while (ch:=ch-1) <> 0ffh;
154   4               call printbyt(space);
155   4             end$while;
156   3           else$do
158   3             call printbyt(ch);
159   3             if ch = lf then call incrementline;
                  end$if;
162   2         end print$single$byte;

163   1         print$crlf: proc public;
164   2           call print$single$byte(cr);
165   2           call print$single$byte(lf);
166   2         end print$crlf;

                /* Print a field given by last column of field,source-
                   array containing ascii bytes,index of this array, and
                   index of last byte of source array. Before entry, the
                   current column position must be start of this field. */

167   1         print$field: proc (sourceindex,s,lastindex,stopcol);
168   2           dcl (sourceindex,s,lastindex) address,
                      stopcol byte,
                      source based s (1) byte,
                      K based sourceindex byte,
                      last based lastindex byte;

169   2           do while col < stopcol and K < last;
170   3             call print$single$byte(source(K));
171   3             K=K+1;
172   3           end$while;
173   2         end print$field;

174   1         print$sl: proc;
175   2           dcl (i,j) byte;
176   2           DECLARE K BYTE;

177   2           IF (PRINTDEVICE = NULL) AND NOT ERRORPRINTED THEN RETURN;   /* NO NEED TO WASTE TIME HERE */
179   2           if include$on then$do
181   3             prefix(0)='=';
182   3             if prefixptr=0 then prefixptr=1;
                  end$if;
185   2           i,j,col=0;
                              /* print first field of line prefix */
186   2           call printfield(.i,.prefix(0),.prefixptr,field1start);

                                        /* Print rest of prefix and source.
                                           If line overflow, print rest on
                                           following lines. */

187   2           if prefixptr-i+sourceptr > 0 then$do
```

```
189  3        do while (prefixptr-i) + (sourceptr-j) >0;
190  4          call advance(field1start);
191  4          call printfield(
                      .i,.prefix(0),.prefixptr,((field15start-1)/3)*3);
192  4          IF ABSADDR (0) <> SPACE THEN$DO
194  5            CALL ADVANCE (FIELD15START);
195  5            DO K = 0 TO 3;
196  6              CALL PRINTSINGLEBYTE (ABSADDR (K));
197  6            END;
198  5          END$IF;
199  4          if sourceptr-j >0 then$do
201  5            call advance(field2start);
202  5            call printfield(.j,.sourcebuf(0),.sourceptr,maxcol-1);
203  5          end$if;
204  4          call printcrlf;
205  4        end$while;
206  3      else$do
208  3        call printcrlf;
209  3      end$if;
210  2    end print$sl;

       /* Public routine to print prefix and source line on printfile. */

211  1    print$source$line: proc public;
212  2      IF PRINT$ON OR ERRORPRINTED THEN CALL PRINT$SL;
214  2      CALL FILL (SPACE, PREFIXPTR, .PREFIX);
215  2      CALL FILL (SPACE, LENGTH (ABSADDR), .ABSADDR);
216  2      prefixptr,sourceptr=0;
217  2    end print$source$line;

       /* Public routine to initiate print module */

218  1    printinit: proc public;
219  2      if print$on then$do
221  3        pageno=0;
222  3        LINENO = 0FFH;
223  3        CALL PRINTNEWPAGE;
224  3      end$if;
225  2    end printinit;


       /* Public routine to print module information on printfile */

226  1    printterminate: proc (USEFACT) public;
227  2      DECLARE USEFACT BYTE;
228  2      .f print$on then$do
230  3        CALL PRINTCRLF;
231  3        CALL PRINTCRLF;
232  3        call printtext(.endtext);  /* END OF ASSEMBLY. NO OF ERRORS: */
233  3        call decout(errors,.help(0));
234  3        call printtext(.help(2));
235  3        CALL PRINTTEXT (.USEFACTOR);
236  3        CALL DECOUT (USEFACT, .HELP (0));
237  3        CALL PRINTTEXT (.HELP (3));
238  3        CALL PRINTTEXT (.(25H,CR,LF,0));   /* % */
239  3      end$if;
240  2    end printterminate;
```

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241  1      end$module print;
```

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CROSS-REFERENCE LISTING

DEFN	ADDR	SIZE	NAME, ATTRIBUTES, AND REFERENCES
81	0000H	4	ABSADDR. . . . . BYTE ARRAY(4) EXTERNAL(62) 192 196 215
81	0000H	1	ACCLEN . . . . . BYTE EXTERNAL(66)
81	0000H	1	ACCLENSAVE . . . . BYTE EXTERNAL(69)
81	0000H	80	ACCUM. . . . . BYTE ARRAY(80) EXTERNAL(67)
81	0000H	80	ACCUMSAVE. . . . . BYTE ARRAY(80) EXTERNAL(68)
2			ADDR . . . . . LITERALLY 41 46 52 70 73 76 79 81
96	0032H	24	ADVANCE. . . . . PROCEDURE STACK=000EH 116 190 194 201
60	0000H		ALPHANUMERIC . . . PROCEDURE BYTE EXTERNAL(23) STACK=0000H
63	0000H		ASCIICHAR. . . . . PROCEDURE BYTE EXTERNAL(24) STACK=0000H 88
84	0000H	1	ASM86TEXT. . . . . BYTE ARRAY(1) EXTERNAL(96)
81	0008H	1	BASEINDEX. . . . . BYTE MEMBER(OPERANDS)
81	0008H	1	BASEINDEX. . . . . BYTE MEMBER(CURRENTSYMBOL)
3			BASEREGBIT . . . . LITERALLY
3			BASEREGCOUNT . . . LITERALLY
3			BREGBIT. . . . . LITERALLY
3			BREGCOUNT. . . . . LITERALLY
148	0004H	1	CH . . . . . BYTE PARAMETER AUTOMATIC 149 150 152 153 158 159
54	0000H	1	CH . . . . . BYTE PARAMETER 55
5	0000H	1	CH . . . . . BYTE PARAMETER 6
103	0000H	1	CH . . . . . BYTE BASED(S) 104 105
57	0000H	1	CH . . . . . BYTE PARAMETER 58
8	0000H	1	CH . . . . . BYTE PARAMETER 9
66	0000H	1	CH . . . . . BYTE PARAMETER 67
86	0004H	1	CH . . . . . BYTE PARAMETER AUTOMATIC 87 88 89 90 92 94
63	0000H	1	CH . . . . . BYTE PARAMETER 64
60	0000H	1	CH . . . . . BYTE PARAMETER 61
51	0000H	1	CH . . . . . BYTE PARAMETER 52
11	0000H	1	CH . . . . . BYTE PARAMETER 12
81	0000H	2	CIP. . . . . WORD EXTERNAL(31)
84	0000H	1	CLOSEERRTEXT . . . BYTE ARRAY(1) EXTERNAL(102)
34	0000H		CLOSEHEX . . . . . PROCEDURE EXTERNAL(13) STACK=0000H
32	0000H		CLOSEINCLUDE . . . PROCEDURE EXTERNAL(12) STACK=0000H
36	0000H		CLOSEPRINT . . . . PROCEDURE EXTERNAL(14) STACK=0000H
28	0000H		CLOSESOURCE. . . . PROCEDURE EXTERNAL(10) STACK=0000H
38	0000H		CLOSESYMBOL. . . . PROCEDURE EXTERNAL(15) STACK=0000H
81	0000H	1	CODEMACROFLAG. . . BYTE EXTERNAL(88)
3			CODEMACROHEAD. . . LITERALLY
81	0000H	2	CODEMACROPTR . . . WORD EXTERNAL(83)
85	0002H	1	COL. . . . . BYTE 91 93 98 110 152 169 185
4			CONSOLE. . . . . LITERALLY
2			CR . . . . . LITERALLY 92 120 127 164 238
81	0000H	2	CSCIP. . . . . WORD EXTERNAL(36)
81	0000H	1	CSEGSPEC . . . . . BYTE EXTERNAL(34)
81	0000H	1	CSEGTYPE . . . . . BYTE EXTERNAL(32)
81	0000H	2	CSEGVALUE. . . . . WORD EXTERNAL(33)
81	0000H	1	CSPEC. . . . . BYTE EXTERNAL(43)
81	0000H	2	CURCSEG. . . . . WORD EXTERNAL(39)
81	0000H	2	CURDSEG. . . . . WORD EXTERNAL(40)
81	0000H	2	CURESEG. . . . . WORD EXTERNAL(42)

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 31  0000H    9  CURRENTSYMBOL. . .   STRUCTURE EXTERNAL(79)
 81  0000H    2  CURSSEG. . . . . .   WORD EXTERNAL(41)
 69  0000H    2  D. . . . . .         WORD PARAMETER        70
 72  0000H    2  D. . . . . .         WORD PARAMETER        73
 75  0000H    2  D. . . . . .         WORD PARAMETER        76
 78  0000H    2  D. . . . . .         WORD PARAMETER        79
  2               DCL. . . . . .      LITERALLY
 78  0000H       DECOUT . . . . .     PROCEDURE EXTERNAL(29) STACK=0000H      118  233  236
 31  0000H    1  DEFAULTDRIVE . . .   BYTE EXTERNAL(86)
 81  0001H    1  DESCR. . . . . .     BYTE MEMBER(TOKEN)
 40  0000H    1  DEV. . . . . .       BYTE PARAMETER        41
 54  0000H       DIGIT. . . . . .     PROCEDURE BYTE EXTERNAL(21) STACK=0000H
 84  0000H    1  DISKREADERRTEXT. .   BYTE ARRAY(1) EXTERNAL(99)
 84  0000H    1  DISKWRITEERRTXT. .   BYTE ARRAY(1) EXTERNAL(100)
 31  0000H    2  DSCIP. . . . . .     WORD EXTERNAL(38)
 81  0000H    1  DSPEC. . . . . .     BYTE EXTERNAL(44)
123  00BDH   51  EJECT. . . . . .     PROCEDURE PUBLIC STACK=000CH      139
  2               ELSEDO . . . . .    LITERALLY
  2               ENDCASE. . . . .    LITERALLY
  2               ENDDO. . . . . .    LITERALLY
  2               ENDFOREVER . . . .  LITERALLY
  2               ENDIF. . . . . .    LITERALLY      160  183
  2               ENDMODULE. . . . .  LITERALLY
  2               ENDOFFILE. . . . .  LITERALLY
  2               ENDPROC. . . . . .  LITERALLY
 84  0000H    1  ENDTEXT. . . . . .   BYTE ARRAY(1) EXTERNAL(94)      232
  2               ENDWHILE . . . . .  LITERALLY
 81  0000H    1  EOFSET . . . . . .   BYTE EXTERNAL(70)
 69  0000H       EQUAL. . . . . .     PROCEDURE BYTE EXTERNAL(26) STACK=0000H
 81  0000H    1  ERRORPRINTED . . .   BYTE EXTERNAL(73)        177  212
 31  0000H    2  ERRORS . . . . . .   WORD EXTERNAL(63)        233
 81  0000H    2  ESCIP. . . . . .     WORD EXTERNAL(35)
 81  0000H    1  ESPEC. . . . . .     BYTE EXTERNAL(46)
  2               FALSE. . . . . .    LITERALLY
 48  0000H    2  FCBADR . . . . . .   WORD PARAMETER        49
 85               FIELD15START . . .  LITERALLY      191  194
 85               FIELD1START. . . .  LITERALLY      186  190
 85               FIELD2START. . . .  LITERALLY      152  201
 48  0000H       FILEABORT. . . . .   PROCEDURE EXTERNAL(19) STACK=0000H
  3               FILEISTRUCTURE . .  LITERALLY
  3               FILEOSTRUCTURE . .  LITERALLY
 43  0000H       FILESETUP. . . . .   PROCEDURE BYTE EXTERNAL(17) STACK=0000H
 51  0000H       FILL . . . . . .     PROCEDURE EXTERNAL(20) STACK=0000H      214  215
 40  0000H    2  FILNAM . . . . . .   WORD PARAMETER        41
 40  0000H    2  FILTYP . . . . . .   WORD PARAMETER        41
 81  0000H    2  FIRSTMACROPTR. . .   WORD EXTERNAL(74)
  2               FOREVER. . . . . .  LITERALLY
  2               FORMFEED . . . . .  LITERALLY      132
 31  0000H    1  FULLSYMBTAB. . . .   BYTE EXTERNAL(76)
 82  0000H       GLOBALINIT . . . .   PROCEDURE EXTERNAL(89) STACK=0000H
 81  0000H    5  HELP . . . . . .     BYTE ARRAY(5) EXTERNAL(84)      118  119  233  234  236  237
 72  0000H       HEX1OUT. . . . . .   PROCEDURE EXTERNAL(27) STACK=0000H
 75  0000H       HEX2OUT. . . . . .   PROCEDURE EXTERNAL(28) STACK=0000H
 81  0000H    1  I. . . . . .        BYTE EXTERNAL(85)
175  0003H    1  I. . . . . .        BYTE      185  186  187  189  191
 40  0000H       IFILESETUP . . . .   PROCEDURE EXTERNAL(16) STACK=0000H
 81  0000H    1  IFLEVEL. . . . . .   BYTE EXTERNAL(78)
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 31  0000H    1  IFLIST . . . . . .  BYTE EXTERNAL(49)
 81  0000H    1  INCLUDEDEFAULT . .  BYTE EXTERNAL(87)
 31  0000H    1  INCLUDEON. . . . .  BYTE EXTERNAL(77)        179
143  0102H   27  INCREMENTLINE. . .  PROCEDURE STACK=001AH         160
  3              INDEXREGBIT. . . .  LITERALLY
  3              INDEXREGCOUNT. . .  LITERALLY
 16  0000H       ININCLUDEBYTE. . .  PROCEDURE BYTE EXTERNAL(4) STACK=0000H
  2              INIT . . . . . .    LITERALLY
 84  0000H    1  INITIALS . . . . .  BYTE ARRAY(1) EXTERNAL(92)          112
 14  0000H       INSOURCEBYTE . . .  PROCEDURE BYTE EXTERNAL(3) STACK=0000H
 81  0000H    1  INTELHEXON . . . .  BYTE EXTERNAL(71)
  3              IREGBIT. . . . . .  LITERALLY
  3              IREGCOUNT. . . . .  LITERALLY
175  0004H    1  J. . . . . .        BYTE       185  189  199  202
176  0005H    1  K. . . . . .        BYTE       195  196
168  0000H    1  K. . . . . .        BYTE BASED(SOURCEINDEX)        169  170  171
168  0000H    1  LAST . . . . . .    BYTE BASED(LASTINDEX)          169
167  0006H    2  LASTINDEX. . . . .  WORD PARAMETER AUTOMATIC       168  169
 81  0000H    2  LENGTH . . . . . .  WORD MEMBER(CURRENTSYMBOL)
              LENGTH . . . . . .  BUILTIN        215
 81  0000H    2  LENGTH . . . . . .  WORD MEMBER(OPERANDS)
 57  0000H       LETTER . . . . . .  PROCEDURE BYTE EXTERNAL(22) STACK=0000H
  2              LF . . . . . .      LITERALLY        90  120  128  159  165  238
 85  0001H    1  LINENO . . . . . .  BYTE       121  126  134  137  144  145  222
  2              LIT. . . . . .      LITERALLY         2    3    4   85
 81  0000H    2  MACROPTR . . . . .  WORD EXTERNAL(75)
 84  0000H    1  MAKEERRTEXT. . . .  BYTE ARRAY(1) EXTERNAL(101)
 81  0000H    1  MAXCOL . . . . . .  BYTE EXTERNAL(50)         116  202
 51  0000H    1  N. . . . . .        BYTE PARAMETER         52
 78  0000H    2  N. . . . . .        WORD PARAMETER         79
 75  0000H    2  N. . . . . .        WORD PARAMETER         76
 72  0000H    1  N. . . . . .        BYTE PARAMETER         73
 69  0000H    1  N. . . . . .        BYTE PARAMETER         70
 96  0004H    1  N. . . . . .        BYTE PARAMETER AUTOMATIC        97   98
 81  0000H    1  NEXTCH . . . . . .  BYTE EXTERNAL(65)
 84  0000H    1  NO . . . . . .      BYTE EXTERNAL(91)
 81  0000H    1  NOERROR. . . . . .  BYTE EXTERNAL(72)
 81  0000H    1  NOOPER . . . . . .  BYTE EXTERNAL(81)
  3              NOOVERCOUNT. . . .  LITERALLY
  3              NOOVERRIDEBIT. . .  LITERALLY
  4              NULL . . . . . .    LITERALLY       177
 81  0006H    2  OFFSET . . . . . .  WORD MEMBER(OPERANDS)
 81  0006H    2  OFFSET . . . . . .  WORD MEMBER(CURRENTSYMBOL)
 84  0000H    1  OPENERRTEXT. . . .  BYTE ARRAY(1) EXTERNAL(98)
 22  0000H       OPENHEX. . . . . .  PROCEDURE EXTERNAL(7) STACK=0000H
 20  0000H       OPENINCLUDE. . . .  PROCEDURE EXTERNAL(6) STACK=0000H
 24  0000H       OPENPRINT. . . . .  PROCEDURE EXTERNAL(8) STACK=0000H
 18  0000H       OPENSOURCE . . . .  PROCEDURE EXTERNAL(5) STACK=0000H
 26  0000H       OPENSYMBOL . . . .  PROCEDURE EXTERNAL(9) STACK=0000H
 81  0000H   36  OPERANDS . . . . .  STRUCTURE ARRAY(4) EXTERNAL(82)
  3              OPERANDSTRUC . . .  LITERALLY        31
  5  0000H       OUTHEXBYTE . . . .  PROCEDURE EXTERNAL(0) STACK=0000H
  3  0000H       OUTPRINTBYTE . . .  PROCEDURE EXTERNAL(1) STACK=0000H         94  132
 11  0000H       OUTSYMBOLBYTE. . .  PROCEDURE EXTERNAL(2) STACK=0000H
 45  0000H       OUTTEXT. . . . . .  PROCEDURE EXTERNAL(18) STACK=0000H
 85  0000H    1  PAGENO . . . . . .  BYTE       111  118  221
 81  0000H    1  PAGESIZE . . . . .  BYTE EXTERNAL(56)         126  145
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 34  0000H    1  PAGETEXT . . . . .   BYTE ARRAY(1) EXTERNAL(93)          117
 84  0000H    1  PARERRTEXT . . . .   BYTE ARRAY(1) EXTERNAL(97)
 31  0000H    1  PASS . . . . . .     BYTE EXTERNAL(30)
 84  0000H    1  PASS0TEXT. . . . .   BYTE ARRAY(1) EXTERNAL(105)
 34  0000H    1  PASS1TEXT. . . . .   BYTE ARRAY(1) EXTERNAL(106)
 31  0000H  240  PREFIX . . . . . .   BYTE ARRAY(240) EXTERNAL(60)       181  186  191  214
 31  0000H    1  PREFIXPTR. . . . .   BYTE EXTERNAL(61)        182  183  186  187  189  191  214  216
  1  0000H       PRINT. . . . . .     PROCEDURE STACK=0000H
 36  0000H   50  PRINTBYT . . . . .   PROCEDURE STACK=0008H          99  105  127  128  154  158
163  0160H   17  PRINTCRLF. . . . .   PROCEDURE PUBLIC STACK=0024H       204  208  230  231
 31  0000H    1  PRINTDEVICE. . . .   BYTE EXTERNAL(53)        177
  4              PRINTER. . . . . .   LITERALLY
167  0171H   60  PRINTFIELD . . . .   PROCEDURE STACK=002CH          186  191  202
109  0063H   90  PRINTHEADER. . . .   PROCEDURE STACK=0012H          140
213  02CAH   25  PRINTINIT. . . . .   PROCEDURE PUBLIC STACK=001AH
136  00F0H   18  PRINTNEWPAGE . . .   PROCEDURE PUBLIC STACK=0016H       146  223
 31  0000H    1  PRINTON. . . . . .   BYTE EXTERNAL(47)        212  219  228
148  011DH   67  PRINTSINGLEBYTE. .   PROCEDURE PUBLIC STACK=0020H       164  165  170  196
174  01ADH  229  PRINTSL. . . . . .   PROCEDURE STACK=0030H          213
211  0292H   56  PRINTSOURCELINE. .   PROCEDURE PUBLIC STACK=0034H
 31  0000H    1  PRINTSWITCHOFF . .   BYTE EXTERNAL(48)
226  02E3H   79  PRINTTERMINATE . .   PROCEDURE PUBLIC STACK=002AH
102  004AH   25  PRINTTEXT. . . . .   PROCEDURE STACK=000EH          112  113  114  115  117  119  120  232
                                       234  235  237  238
  2              PROC . . . . . .     LITERALLY         5    8   11   14   16   18   20   22   24   26   28
                                        30   32   34   36   38   40   43   60   63   72   75   78   86   96
                                       102  109  123  136  143  148  163  167  174  211  218  226
 51  0000H    2  PT . . . . . .      WORD PARAMETER         52
  2              REENT. . . . . .     LITERALLY
 30  0000H       REWINDSOURCE . . .   PROCEDURE EXTERNAL(11) STACK=0000H
 69  0000H    2  S. . . . . .        WORD PARAMETER         70
167  0008H    2  S. . . . . .        WORD PARAMETER AUTOMATIC    168  170
102  0004H    2  S. . . . . .        WORD PARAMETER AUTOMATIC    103  104  105  106
 31  0000H   12  SAVESOURCE . . . .   BYTE ARRAY(12) EXTERNAL(52)
  3              SEGMBIT. . . . . .   LITERALLY
  3              SEGMCOUNT. . . . .   LITERALLY
 81  0004H    2  SEGMENT. . . . . .   WORD MEMBER(OPERANDS)
 81  0004H    2  SEGMENT. . . . . .   WORD MEMBER(CURRENTSYMBOL)
  3              SEGTYPEBIT . . . .   LITERALLY
  3              SEGTYPECOUNT . . .   LITERALLY
 81  0003H    1  SFLAG. . . . . .     BYTE MEMBER(OPERANDS)
 81  0003H    1  SFLAG. . . . . .     BYTE MEMBER(CURRENTSYMBOL)
 81  0000H    1  SIMFORM. . . . . .   BYTE EXTERNAL(57)        124
168  0000H    1  SOURCE . . . . . .   BYTE BASED(S) ARRAY(1)          170
 81  0000H   80  SOURCEBUF. . . . .   BYTE ARRAY(80) EXTERNAL(58)       202
167  000AH    2  SOURCEINDEX. . . .   WORD PARAMETER AUTOMATIC    168  169  170  171
 81  0000H   12  SOURCENAME . . . .   BYTE ARRAY(12) EXTERNAL(51)       113
 31  0000H    1  SOURCEPTR. . . . .   BYTE EXTERNAL(59)        187  189  199  202  216
  2              SPACE. . . . . .     LITERALLY        99  154  192  214  215
 31  0000H    2  SSCIP. . . . . .     WORD EXTERNAL(37)
 31  0000H    1  SSPEC. . . . . .     BYTE EXTERNAL(45)
167  0004H    1  STOPCOL. . . . . .   BYTE PARAMETER AUTOMATIC    168  169
  2              STRUC. . . . . .     LITERALLY        81
 31  0002H    1  STYPE. . . . . .     BYTE MEMBER(OPERANDS)
 81  0002H    1  STYPE. . . . . .     BYTE MEMBER(CURRENTSYMBOL)
 34  0000H    1  SYMBFULLERRTEXT. .   BYTE ARRAY(1) EXTERNAL(103)
 31  0000H    1  SYMBOLDEVICE . . .   BYTE EXTERNAL(54)
```

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```
     3                SYMBOLHEAD . . . .   LITERALLY
     3                SYMBOLSTRUC. . . .   LITERALLY       81
    81  0000H     2   SYMBTABADR . . . .   WORD EXTERNAL(80)
    45  0000H     2   T. . . . . .         WORD PARAMETER       46
     2                TAB. . . . . .       LITERALLY      150
    48  0000H     2   TEXTADR. . . . .     WORD PARAMETER       49
     2                THENDO . . . . .     LITERALLY      124  137  150  179  187  192  199  219  228
    81  0000H    30   TITLE. . . . . .     BYTE ARRAY(30) EXTERNAL(55)        115
    81  0000H     4   TOKEN. . . . . .     STRUCTURE EXTERNAL(64)
     2                TRUE . . . . . .     LITERALLY
    81  0000H     1   TYPE . . . . . .     BYTE MEMBER(TOKEN)
     3                TYPEBIT. . . . .     LITERALLY
     3                TYPECOUNT. . . . .   LITERALLY
    66  0000H         UPPER. . . . . .     PROCEDURE BYTE EXTERNAL(25) STACK=0000H
    84  0000H     1   USBREAKTEXT. . . .   BYTE ARRAY(1) EXTERNAL(104)
   226  0004H     1   USEFACT. . . . .     BYTE PARAMETER AUTOMATIC      227  236
    84  0000H     1   USEFACTOR. . . .     BYTE ARRAY(1) EXTERNAL(95)         235
     4                VALIDDISK. . . .     LITERALLY
    81  0002H     2   VALUE. . . . . .     WORD MEMBER(TOKEN)
    84  0000H     1   YES. . . . . .       BYTE EXTERNAL(90)
```

MODULE INFORMATION:

```
    CODE AREA SIZE     = 0332H    818D
    CONSTANT AREA SIZE = 000EH     14D
    VARIABLE AREA SIZE = 0006H      6D
    MAXIMUM STACK SIZE = 0034H     52D
    615 LINES READ
    0 PROGRAM ERROR(S)

END OF PL/M-86 COMPILATION
```

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